



BUBT

BANGLADESH UNIVERSITY OF
BUSINESS AND TECHNOLOGY

Assignment

Assignment No : 02

Lab Final Question - 01

Course Code : CSE 121
Course Title : Object oriented Programming Language
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```

#include <iostream>

class ManchesterUnited {
private:
    int coach;
    int player;

public:
    ManchesterUnited() {
        coach = 0;
        player = 0;
    }

    void getData() {
        std::cout << "Coach: " << coach << ", Player: " << player << std::endl;
    }

    void operator++() {
        coach++;
        player++;
    }

    bool operator==(const ManchesterUnited& other) {
        return (coach == other.coach && player == other.player);
    }
};

int main() {
    ManchesterUnited ronaldo;
    ManchesterUnited fernandes;

    std::cout << "Initial values:" << std::endl;
    ronaldo.getData(); // Output: Coach: 0, Player: 0
    fernandes.getData(); // Output: Coach: 0, Player: 0

    ++ronaldo;

    std::cout << "After incrementing ronaldo:" << std::endl;
    ronaldo.getData(); // Output: Coach: 1, Player: 1
    fernandes.getData(); // Output: Coach: 0, Player: 0

    if (ronaldo == fernandes) {
        std::cout << "ronaldo is equal to fernandes." << std::endl;
    } else {
        std::cout << "ronaldo is not equal to fernandes." << std::endl;
    }

    return 0;
}

```